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Approved For Release 2003/05/14 : CIA-RDP78B05171A000100020037-7

21 May 1968

MEMORANDUM FOR : Administrative Assistant, TSSG/NPIC
SUBJECT : Estimated Cost for Site Preparations in
[] to House the [] Precision
Stereo Comparator

The following is a summary of the growth of the project since its inception.

1. It is a most difficult, if not an impossible task to give a precise budget estimate for the site preparation in [] for the instrument in question. This statement is based on the lack of precise requirements to date from the equipment manufacturer for environmental conditions coupled with intangibles to be encountered in the actual site preparation including such items as:

(a) The depth which we will have to drill to a sub surface on the first floor for proper footings

(b) The exact location on the first floor for the site preparation.

(c) The electrical impulses generating from other equipment in the building which may necessitate a screen room condition. However, the cost estimate of [] is a BALL PARK figure on which we base our cost estimate.

2. On 17 April 1967, [] the consultant engineer to NPIC, and this writer met at the [] to be briefed on our phase of the project of subject instrument and to attempt to convert this information into site preparations in []

3. Attachment A is our trip report concerning this visit. The trend throughout this report indicated that installation requirements for the stereo comparator will have to be developed as the design criteria for the instrument progressed.

Declass Review by NIMA/DOD

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4. During the month of November 1967, [] consultant engineer, and this writer again visited the [] plant for an updated briefing. Attachment B is a trip report as to our findings.

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5. Seven months have lapsed between the two trips to the [] plant but on the second visit firm requirements began to emerge wherein a dollar value could be placed on a suitable site preparation. Paragraph 3A of Attachment B states "that at this time a clean room concept is not applicable for the successful operation of this equipment." Additional air conditioning requirements with highly sophisticated controls and close tolerance design conditions have to be met. Paragraph 9 of this report states that an estimated cost of [] is anticipated for this site preparation of the requirements dictated as of November 1967.

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6. During the week of 13 May 1968, [] and this writer again visited the [] plant for the most recent in put to a site preparation for the []. As a result of this briefing certain definite installation requirements emerged which are characterized in Attachment C. It is interesting to note at this time that a definite requirement for a clean room now exists as stated in Paragraph 3L. In addition, the air conditioning requirements have now been refined to include three major air conditioning systems of different pressures. These will supply fourteen separate locations varying from 1/4" to 1" differential with individual controls. The estimated cost of this precise environmental control for air conditioning is estimated at \$25,000.

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7. In summary of the preceding two paragraphs, we find that [] was the original estimate of site preparations in November of 1967. Further refinements of the requirements during the week of 13 May 1968 revealed that [] additional for a clean room and special air conditioning systems brings the new total to []

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8. It is impossible for any engineer, consultant, or research and development type to firm up a definite cost estimate at this time for such a complex installation and, indeed, we in NPIC would be lax in our duties to make a firm estimate. A more comprehensive estimate is contingent on actual engineering design and on the job experience. Again, I repeat our only BALL PARK figures, not to be construed with actual cost. During the design phase, the installation price may vary up or down depending on the conditions found during such research and survey.

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9. Factors lending to this statement are centered around the variance in labor cost due to actual construction out side of a vaulted area or inside a vaulted area which could effect the contract price by as much as twenty per cent.

10. At the present rate of construction cost growth there is a seven per cent add on per annum established by "Engineers News Record Construction Magazine," due to labor increases and material increases.

11. We recommend a preliminary engineer's report (PER) for a site preparation which would construct a design with a built in cost estimate that could be used for budgetary estimates for FY 70. It is a well known fact that actual construction costs will vary depending on the location chosen for this site. The cost can vary as much as [] which is influenced by the added cost of stainless steel pipe, size of compressors, etc.

[]
Chief, Building Services Section, LB/SSD/TSSG/NPIC

Attachment: a/s